

# PATRICK BOUNAIX

## SUMMARY

- Specializes in gathering, analyzing, and translating requirements into robust, scalable and secure solutions across platforms and devices.
- Tenacious adherent to continuous feedback and review from stakeholders, resulting in more successful and effective delivery, and greater insight into project trajectory.
- Architect of technical solutions that are scalable, secure, and performant.
- Deeply focused on application design and UX, enabling an intuitive, productive, and delightful experience.

## TECHNICAL SKILLS

- JavaScript
- NodeJS
- ReactJS
- AngularJS
- HTML5
- MongoDB
- Kafka
- Redis
- Couchbase
- MySQL
- Docker
- Vagrant
- Ruby
- C#, .NET
- ASP.NET
- WCF
- WPF
- XAML
- F#
- SQL Server
- MS Dynamics CRM
- SharePoint
- BizTalk
- Windows Phone
- Windows Server
- .NET Core

## PROFESSIONAL EXPERIENCE

### LIFION / ADP – PAYROLL AND HR

DECEMBER, 2015 – PRESENT

#### SENIOR SOFTWARE ENGINEER

- Designed, developed, tested, and deployed ReactJS UI components for a highly-specialized HR platform.
- Defined requirements to manage client lifecycle and data.
- Served as mentor for junior team members, and managed feature releases.
- Incorporated rapid development environment provisioning via docker, consul, kafka/zookeeper.
- Developed scalable, fault-tolerant REST API's in node

**Tech Stack:** NodeJS, ReactJS, MongoDB, MySQL, Cassandra, Couchbase, Docker, Kafka, Vagrant, AWS, S3

### PERSONAL BLACK BOX – DIGITAL PRIVACY AND MARKETING

JUNE, 2014 – NOV 2015

#### SENIOR SOFTWARE ARCHITECT

- Architected, designed, and developed REST-based microservice API, incorporating NoSQL/Relational database and messaging systems, and responsive front-ends optimized for mobile, tablet, and desktop browsers.
- Provided guidance related to architecture and design aspects of the core API, as well as cross-platform development environments and applications.
- Developed charting and reporting visualizations, enabling greater insight and analysis on data sources.
- Designed and developed a robust asynchronous job engine, including scheduled tasks, reporting
- Developed responsive websites and web apps incorporating AngularJS, ReactJS, Bootstrap, and custom components.
- Established best practices for source control branching and usage via git.
- Provided mentorship for junior developers and facilitated weekly learning/growth sessions to promote best practices and techniques.
- Interact with stakeholders and business subject matter experts to facilitate a better approach towards design of the solutions.
- Promoted a lightweight approach towards API development, enabling smaller, nimbler blocks of code to provide essential functionality while remaining highly scalable and following a modular, plugin architecture.

**Tech Stack:** NodeJS, MongoDB, Angular, ReactJS

**BOUNAIX, LLC – IT CONSULTING**

**JUNE, 2005 – PRESENT**

**SOLUTION ARCHITECT / DEVELOPER**

- Provided guidance for clients to succinctly define their technology goals, and architected a scalable, secure, and fault-tolerant approach.
- Delivered technology solutions for the desktop, server, and mobile devices, enabling clients to unlock greater value and productivity.
- Enhanced legacy applications, improving the codebase and incorporating new features while providing the client with a competitive edge.

**Tech Stack:** C#, .NET, NodeJS, ReactJS, ASP.NET, jQuery

**FIELDONE – FIELD SERVICE SOLUTIONS PROVIDER**

**JUNE 2013 - 2014**

**VICE PRESIDENT OF TECHNOLOGY**

- Lead and manage development team, ensuring successful and timely delivery of products and enhancements.
- Provided guidance related to architecture and design aspects of the flagship product.
- Served as technical liaison and assisted with sales and marketing efforts.
- Established and promoted a virtual machine library, allowing all areas of the company to quickly create and leverage a standard environment. Portal was developed with ASP.NET MVC, Web Api, Knockout and Bootstrap.
- Reviewed and optimized the source control techniques and provided suggestions to enhance and improve.
- Identified, established and documented the software development and testing methodology for FieldOne.

**Tech Stack:** C#, Dynamics CRM, SQL Server, JavaScript, SenchaJS

**AVANADE – ACCENTURE/MICROSOFT-OWNED CONSULTANCY**

**FEB, 2007 – JUNE, 2013**

**SENIOR CONSULTANT, SOLUTION DEVELOPER**

- Enhanced existing projects or platforms by incorporating and standardizing on Microsoft technologies and the .NET framework. Implemented design, web, desktop, usability and security standards, lowering project cost, improving stability and providing a greater and more successful delivery/user experience.
- Led development teams, both onshore and offshore, in pursuit of project completion and success. Helped mentor junior team members, creating a more cohesive team, allowing members to better function independently and with greater success.
- Determined and established project requirements, based on analysis of high-level requests, as well as interaction with stakeholders and business associates.
- Created and expanded growth opportunities with various clients; served as liaison between client and Avanaide in determining potential candidates for various projects.

**Tech Stack:** C#, .NET, WCF, WPF, SQL Server, Oracle, MySQL, COM, Office API's, Win32 API's

**BUSINESS SOLUTION PARTNERS – MICROSOFT GOLD PARTNERS**

**JAN, 2006 – FEB, 2007**

**SOFTWARE DEVELOPER**

- Developed MS CRM customization, providing enhanced functionality to the standard quote and ordering capabilities. Pricing, tax and financial logic combined with a dashboard view enabled users the ability to modify calculations on-the-fly. Featured auto-population of fields, resulting in less user interaction. Also provided report/PDF/Email creation. Utilized C#, ASP.NET, AJAX, SQL Server, SQL Reporting Services.
- Designed and developed MS CRM calendar customization, enabling enhanced scheduling and tracking capabilities from within MS CRM or Outlook. Utilized C#, ASP.NET, AJAX.
- Designed and implemented multithreaded Windows/Web Services licensing schema for customizations and applications, ensuring robust installation while better ensuring that intellectual property remained secure. Features included trial licenses, installer custom actions and No-Touch deployment capabilities. Utilized C#, Windows/Web Services.

**Tech Stack:** C#, Dynamics CRM, ASP.NET, JavaScript, SQL Server, Win32 API's

**REDCATS, USA/ LA REDOUTE – INTERNATIONAL RETAILER**

**DEC, 2004 – JAN, 2006**

**BILINGUAL SOFTWARE ENGINEER**

- Developed globalized ASP.NET/Windows Forms content management tool utilized by teams in multiple countries. Allowed content to be modified with minimal disruption to source control, and enabled business analysts to preview updates prior to pushing site into production. Featured multithreaded, asynchronous bulk upload capability via web services and custom rules engine. Utilized C# ASP.NET, Windows Forms, Web Services, Resource Files, VSS API.
- Designed and implemented virtual e-catalogs with enhanced image zoom, helping to increase page views and online sales by 10%. Featured Flash and AJAX versions, supporting multiple browsers/versions. Utilized C#, ASP.NET, Flash, DHTML/AJAX, Scene7 API.

**Tech Stack:** C#, JavaScript, Win32 API's, ASP.NET

## HEALTHCAREWARE – HEALTHCARE IT SOLUTIONS PROVIDER

AUG, 2003 – DEC, 2004

### SOLUTION DEVELOPER

- Designed and developed a multithreaded GDI+ Windows Forms/Tablet application, used for medical billing and OMS interface. Hundreds of thousands of records were effectively searched and sorted via custom paging logic in UI. Features included offline synchronization, data encryption and handwriting recognition capabilities. Utilized C#, Windows Forms, .NET Remoting, GDI+, SQL Server.
- Developed Excel spreadsheet and custom CSV Text parser application for OMS. Utilized C#, ADO.NET, XML Serialization, and Regular Expressions.

**Tech Stack:** C#, VB, VB.NET, ASP.NET, JavaScript

### EDUCATION

New York Institute of Technology, B.S. in Computer Science

### CERTIFICATIONS / TRAINING

- Microsoft Certified Professional
- MongoDB for NodeJS Developers
- SharePoint Customization
- MS CRM Customization
- BizTalk